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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/855,146 | 05/14/2001 | Ioannis Kriaras | 4-13-11-9 | 1117 |

7590 03/04/2005

Docket Administrator (Room 3J-219)
Lucent Technologies Inc.
101 Crawfords Corner Road
P.O. Box 3030
Holmdel, NJ 07733-3030

EXAMINER

KADING, JOSHUA A

| ART UNIT | PAPER NUMBER |
|----------|--------------|
| 2661 | |

DATE MAILED: 03/04/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

OK

| | | | |
|------------------------------|--------------------------------------|---------------------------------------|--|
| Office Action Summary | Application No. 09/855,146 | Applicant(s) KRIARAS ET AL. | |
| | Examiner Joshua Kading | Art Unit 2661 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 December 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-3 is/are allowed.
- 6) ☒ Claim(s) 4 is/are rejected.
- 7) ☒ Claim(s) 1 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 01 December 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Objections

Claim 1 is objected to because of the following informalities:

Lines 11 and 15 state, "the header". Since there are two headers disclosed (lines 3 and 8), lines 11 and 15 should be changed to --the header of the received downlink data stream-- to avoid any confusion.

Lines 13, 14, 17, and 18 state, "the data stream". Since there are two data streams disclosed (lines 3 and 8), lines 13, 14, 17, and 18 should be changed to --the received downlink data stream-- to avoid any confusion.

Appropriate correction is required.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over U.S.

Patent 6,577,862 B1 (Davidson et al.) in view of U.S. Patent 6,807,166 B1 (Ohura).

Regarding claim 4, Davidson discloses, "a real time data transmission method in a network including a mobile station (figure 1, elements 110, 170), a radio network controller (figure 1, element 132), a media gateway (figure 1, element 130), a

destination station (figure 1, individual stations connected through element 162) and a call control system (figure 1, element 140) and in which a passage of a data stream including a header section and payload section between the mobile station and the destination station is governed by the content of the header section (col. 5, lines 50-65 where there must be a header governing the transmission of the packet as is known in the art)....”

However, Davidson lacks what Ohura discloses, “the method comprising the step of replacing at least some of the address related material in the header section as it passes from one location in the network to another location, with internal addresses related material whereby to reduce a pathway of the data stream through the network and a proportion of the size of the header section relative to the payload section (figure 11, elements 62 and 63 where the receiver address at element 63 is changed from “IP address of C + Tel. No. ‘d’” to “IP address of D”, therefore, there has been an internal address replacement and the size of the address has been reduced because it no longer includes the tel. no. thereby reducing the proportion size; it should be noted here that the overall function of the IP core network is taken from Ohura and combined with the IP core network 150, of figure 1, of Davidson).”

It would have been obvious to one of ordinary skill in the art at the time of invention to include the method step of Ohura with the GSM network elements of Davidson for the purpose of translating the data from one network type to another so that the advantages of each network can be had. The motivation for translating data from one network type to another would be to take advantage of the GSM network's

discontinuous transmission feature, thereby allowing the terminal device to reduce its number of transmissions (Davidson, col. 5, lines 66-col. 6, lines 1-16).

Allowable Subject Matter

5 The following is a statement of reasons for the indication of allowable subject matter: Claims 1-3 are allowed because the prior art of record fails to teach, in combination with other claim limitations, "the media gateway acting to replace both the mobile station identity and the input port identity in the header with an address of the radio network controller...the radio network controller acting to replace the radio
10 network controller address in the header with the mobile station identity address and input port identity both obtained from the call control system via the SGSN..."

Response to Arguments

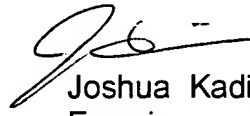
Applicant's arguments with respect to claim 4 have been considered but are moot
15 in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joshua Kading whose telephone number is (571) 272-3070. The examiner can normally be reached on M-F: 8:30AM-5PM.

20 If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau Nguyen can be reached on (571) 272-3126. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

- 5 For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Joshua Kading
Examiner
Art Unit 2661

10 February 24, 2005



BOB PHUNKULH
PRIMARY EXAMINER